

# Butyrate--CoA ligase AAE11, peroxisomal (AAE11), Recombinant Protein

Cat      *RP03998*

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## Species

*Arabidopsis thaliana* (Mouse-ear cress)

## Full Product Name

Recombinant *Arabidopsis thaliana* Butyrate--CoA ligase AAE11, peroxisomal (AAE11) , partial

## Product Gene Name

AAE11 recombinant protein

## Product Synonym Gene Name

AAE11

## Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

## Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

## Host

E Coli or Yeast or Baculovirus or Mammalian Cell

## Molecular Weight

63,941 Da

## Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

## Protein Family

Butyrate--CoA ligase

## NCBI Accession #

NP\_176786.1

## NCBI GI #

15218935

## NCBI GenBank Nucleotide #

NM\_105283.3

## NCBI GeneID

842926

## NCBI Official Full Name

AMP-dependent synthetase and ligase family protein

## NCBI Official Symbol

AAE11

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

# Butyrate--CoA ligase AAE11, peroxisomal (AAE11), Recombinant Protein

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## NCBI Official Synonym Symbols

acyl-activating enzyme 11; AtAAE11; F15E12.22; F15E12\_22

## NCBI Protein Information

AMP-dependent synthetase and ligase family protein

## UniProt Gene Name

AAE11

## UniProt Protein Name

Butyrate--CoA ligase AAE11, peroxisomal

## UniProt Synonym Protein Names

Acyl-activating enzyme 11; Butyryl-CoA synthetase

## UniProt Primary Accession #

Q9C8D4

## UniProt Secondary Accession #

Q84P19

## UniProt Related Accession #

Q9C8D4

## UniProt Comments

Butyrate--CoA ligase that is active in vitro with medium-chain fatty acids, with a preference for hexanoate and octanoate.

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